

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,224  
 Source: PU/10  
 Date Processed by STIC: 10/25/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 10/25/2005

PATENT APPLICATION: US/10/520,224

TIME: 12:05:01

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\10252005\J520224.raw

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4 <110> APPLICANT: Mueller-Hermelink, Hans Konrad
5 Vollmers, Heinz
8 <120> TITLE OF INVENTION: Neoplasm Specific Antibodies and Uses
9 Thereof
11 <130> FILE REFERENCE: 50308/006001
13 <140> CURRENT APPLICATION NUMBER: 10/520,224
14 <141> CURRENT FILING DATE: 2005-01-04
16 <150> PRIOR APPLICATION NUMBER: PCT/IB2003/003487
17 <151> PRIOR FILING DATE: 2003-07-02
19 <150> PRIOR APPLICATION NUMBER: DE 10230516.1
20 <151> PRIOR FILING DATE: 2002-07-06
22 <150> PRIOR APPLICATION NUMBER: DE 10229907.2
23 <151> PRIOR FILING DATE: 2002-07-04
25 <150> PRIOR APPLICATION NUMBER: DE 10229906.4
26 <151> PRIOR FILING DATE: 2002-07-04
28 <160> NUMBER OF SEQ ID NOS: 12
30 <170> SOFTWARE: FastSEQ for Windows Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 106
34 <212> TYPE: PRT
35 <213> ORGANISM: Homo sapiens
37 <400> SEQUENCE: 1
38 Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
39 1 5 10 15
40 Thr Ala Arg Ile Thr Cys Ser Gly Asp Ala Leu Pro Lys Lys Tyr Pro
41 20 25 30
42 Tyr Trp Tyr Gln Gln Lys Ser Gly Gln Ala Pro Val Leu Val Ile Tyr
43 35 40 45
44 Glu Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
45 50 55 60
46 Ser Ser Gly Thr Met Ala Thr Leu Thr Ile Ser Gly Ala Gln Val Glu
47 65 70 75 80
48 Asp Glu Ala Asp Tyr Tyr Cys Tyr Ser Thr Asp Ser Ser Gly Asn Met
49 85 90 95
50 Ser Ser Glu Leu Gly Pro Ser Ser Pro Ser
51 100 105
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 318
56 <212> TYPE: DNA
57 <213> ORGANISM: Homo sapiens
59 <220> FEATURE:
60 <221> NAME/KEY: CDS
61 <222> LOCATION: (1)...(318)

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63 &lt;400&gt; SEQUENCE: 2

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64 tcc tat gtg ctg act cag cca ccc tcg gtg tca gtg tcc cca gga caa 48
65 Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ser Pro Gly Gln
66 1 5 10 15
68 acg gcc agg atc acc tgc tct gga gat gca ttg cca aaa aaa tat cct 96
69 Thr Ala Arg Ile Thr Cys Ser Gly Asp Ala Leu Pro Lys Lys Tyr Pro
70 20 25 30
72 tat tgg tac cag cag aag tca ggc cag gcc cct gtg ctg gtc atc tat 144
73 Tyr Trp Tyr Gln Gln Lys Ser Gly Gln Ala Pro Val Leu Val Ile Tyr
74 35 40 45
76 gag gac agc aaa cga ccc tcc ggg atc cct gag aga ttc tct ggc tcc 192
77 Glu Asp Ser Lys Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
78 50 55 60
80 agc tca ggg aca atg gcc acc ttg act atc agt ggg gcc cag gtg gag 240
81 Ser Ser Gly Thr Met Ala Thr Leu Thr Ile Ser Gly Ala Gln Val Glu
82 65 70 75 80
84 gat gaa gct gac tac tac tgt tac tca aca gac agc agt ggt aat atg 288
85 Asp Glu Ala Asp Tyr Tyr Cys Tyr Ser Thr Asp Ser Ser Gly Asn Met
86 85 90 95
88 tct tcg gaa ctg gga cca agc tca ccg tcc 318
89 Ser Ser Glu Leu Gly Pro Ser Ser Pro Ser
90 100 105

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93 &lt;210&gt; SEQ ID NO: 3

94 &lt;211&gt; LENGTH: 98

95 &lt;212&gt; TYPE: PRT

96 &lt;213&gt; ORGANISM: Homo sapiens

98 &lt;400&gt; SEQUENCE: 3

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99 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
100 1 5 10 15
101 Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
102 20 25 30
103 Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
104 35 40 45
105 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
106 50 55 60
107 Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
108 65 70 75 80
109 Cys Ala Lys Asp Ser Phe Arg Glu Gly Pro Trp Gly Gln Gly Thr Leu
110 85 90 95
111 Val Thr

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115 &lt;210&gt; SEQ ID NO: 4

116 &lt;211&gt; LENGTH: 294

117 &lt;212&gt; TYPE: DNA

118 &lt;213&gt; ORGANISM: Homo sapiens

120 &lt;220&gt; FEATURE:

121 &lt;221&gt; NAME/KEY: CDS

122 &lt;222&gt; LOCATION: (1)...(294)

124 &lt;400&gt; SEQUENCE: 4

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125 ggg tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttt agc agc 48

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126 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
127 1 5 10 15
129 tat gcc atg agc tgg gtc cgc cag gct cca ggg aag ggg ctg gag tgg 96
130 Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
131 20 25 30
133 gtc tca gct att agt ggt agt ggt ggt agc aca tac tac gca gac tcc 144
134 Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
135 35 40 45
137 gtg aag ggc cgg ttc acc atc tcc aga gac aat tcc aag aac acg ctg 192
138 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
139 50 55 60
141 tat ctg caa atg aac agc ctg aga gcc gag gac acg gcc gta tat tac 240
142 Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
143 65 70 75 80
145 tgt gcg aaa gat tca ttt cgt gaa gga ccc tgg ggc cag gga acc ctg 288
146 Cys Ala Lys Asp Ser Phe Arg Glu Gly Pro Trp Gly Gln Gly Thr Leu
147 85 90 95
149 gtc acc 294
150 Val Thr.
154 <210> SEQ ID NO: 5
155 <211> LENGTH: 116
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 5
160 Gln Ser Ala Leu Thr Gln Pro Ala Ser Leu Ser Ala Ser Pro Gly Ala
161 1 5 10 15
162 Ser Ala Ser Leu Thr Cys Thr Leu Arg Ser Gly Ile Asn Val Gly Thr
163 20 25 30
164 Tyr Arg Ile Tyr Trp Tyr Gln Gln Lys Pro Gly Ser Pro Pro Gln Tyr
165 35 40 45
166 Leu Leu Arg Tyr Lys Ser Asp Ser Asp Lys Gln Lys Gly Ser Gly Val
167 50 55 60
168 Pro Ser Arg Phe Ser Gly Ser Lys Asp Ala Ser Ala Asn Ala Gly Ile
169 65 70 75 80
170 Leu Leu Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
171 85 90 95
172 Met Ile Trp His Ser Ser Ala Trp Val Phe Gly Gly Gly Thr Lys Leu
173 100 105 110
174 Thr Val Leu Gly
175 115
178 <210> SEQ ID NO: 6
179 <211> LENGTH: 348
180 <212> TYPE: DNA
181 <213> ORGANISM: Homo sapiens
183 <220> FEATURE:
184 <221> NAME/KEY: CDS
185 <222> LOCATION: (1)...(348)
187 <400> SEQUENCE: 6
188 cag tct gcc ctg act cag cct gct tcc ctc tct gca tct cct gga gca 48

```

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189 Gln Ser Ala Leu Thr Gln Pro Ala Ser Leu Ser Ala Ser Pro Gly Ala
190 1 5 10 15
192 tca gcc agt ctc acc tgc acc ttg cgc agt ggc atc aat gtt ggt acc 96
193 Ser Ala Ser Leu Thr Cys Thr Leu Arg Ser Gly Ile Asn Val Gly Thr
194 20 25 30
196 tac agg ata tac tgg tac cag cag aag cca ggg agt cct ccc cag tat 144
197 Tyr Arg Ile Tyr Trp Tyr Gln Gln Lys Pro Gly Ser Pro Pro Gln Tyr
198 35 40 45
200 ctc ctg agg tac aaa tca gac tca gat aag cag aag ggc tct gga gtc 192
201 Leu Leu Arg Tyr Lys Ser Asp Ser Asp Lys Gln Lys Gly Ser Gly Val
202 50 55 60
204 ccc agc cgc ttc tct gga tcc aaa gat gct tgc gcc aat gca ggg att 240
205 Pro Ser Arg Phe Ser Gly Ser Lys Asp Ala Ser Ala Asn Ala Gly Ile
206 65 70 75 80
208 tta ctc atc tct ggg ctc cag tct gag gat gag gct gac tat tac tgt 288
209 Leu Leu Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys
210 85 90 95
212 atg att tgg cac agc agc gct tgg gtg ttc ggc gga ggg acc aag ctg 336
213 Met Ile Trp His Ser Ser Ala Trp Val Phe Gly Gly Gly Thr Lys Leu
214 100 105 110
216 acc gtc cta ggt 348
217 Thr Val Leu Gly
218 115
221 <210> SEQ ID NO: 7
222 <211> LENGTH: 107
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 7
227 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
228 1 5 10 15
229 Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
230 20 25 30
231 Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
232 35 40 45
233 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
234 50 55 60
235 Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
236 65 70 75 80
237 Cys Ala Lys Gly Gly Ala Glu Gly Trp Tyr Glu Tyr Tyr Tyr Tyr Tyr
238 85 90 95
239 Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val
240 100 105
243 <210> SEQ ID NO: 8
244 <211> LENGTH: 321
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <220> FEATURE:
249 <221> NAME/KEY: CDS
250 <222> LOCATION: (1)...(321)

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Input Set : A:\Seqlist.txt

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252 <400> SEQUENCE: 8
253 ggg tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttt agc agc 48
254 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser
255 1 5 10 15
257 tat gcc atg agc tgg gtc cgc cag gct cca ggg aag ggg ctg gag tgg 96
258 Tyr Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp
259 20 25 30
261 gtc tca gct att agt ggt agt ggt ggt agt aca tac tac gca gac tcc 144
262 Val Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser
263 35 40 45
265 gtg aag ggc cgg ttc acc atc tcc aga gac aat tcc aag aac acg ctg 192
266 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu
267 50 55 60
269 tat ctg caa atg aac agc ctg aga gcc gag gac acg gcc gta tat tac 240
270 Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr
271 65 70 75 80
273 tgt gcg aaa ggt ggg gcc gaa ggc tgg tac gag tac tac tac tac tac 288
274 Cys Ala Lys Gly Gly Ala Glu Gly Trp Tyr Glu Tyr Tyr Tyr Tyr Tyr
275 85 90 95
277 ggt atg gac gtc tgg ggc caa ggg acc ctg gtc 321
278 Gly Met Asp Val Trp Gly Gln Gly Thr Leu Val
279 100 105
282 <210> SEQ ID NO: 9
283 <211> LENGTH: 110
284 <212> TYPE: PRT
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 9
288 Gln Ser Ala Leu Thr Gln Pro Ala Ser Val Ser Gly Ser Pro Gly Gln
289 1 5 10 15
290 Ser Ile Thr Ile Ser Cys Thr Gly Thr Ser Ser Asp Val Gly Gly Tyr
291 20 25 30
292 Asn Tyr Val Ser Trp Tyr Gln Gln His Pro Gly Lys Ala Pro Lys Leu
293 35 40 45
294 Met Ile Tyr Asp Val Ser Asn Arg Pro Ser Gly Val Ser Asn Arg Phe
295 50 55 60
296 Ser Gly Ser Lys Ser Gly Asn Thr Ala Ser Leu Thr Ile Ser Gly Leu
297 65 70 75 80
298 Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Ser Ser Lys Arg Ser Ser
299 85 90 95
300 Asn Thr Leu Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
301 100 105 110
304 <210> SEQ ID NO: 10
305 <211> LENGTH: 330
306 <212> TYPE: DNA
307 <213> ORGANISM: Homo sapiens
309 <220> FEATURE:
310 <221> NAME/KEY: CDS
311 <222> LOCATION: (1)...(330)
313 <400> SEQUENCE: 10

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**VERIFICATION SUMMARY**

DATE: 10/25/2005

PATENT APPLICATION: US/10/520,224

TIME: 12:05:02

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\10252005\J520224.raw